

Title (en)

SELF-AIMING DIRECTABLE ACOUSTIC TRANSDUCER ASSEMBLY FOR INVASIVE MEDICAL DEVICE APPLICATIONS

Title (de)

SELBSTABZIELENDE AUSRICHTBARE AKUSTISCHE TRANSDUCER-ANORDNUNG FÜR INVASIVE MEDIZINVORRICHTUNGSANWENDUNGEN

Title (fr)

ENSEMBLE DE CAPTEUR ACOUSTIQUE ORIENTABLE À VISÉE AUTOMATIQUE POUR DES APPLICATIONS DE DISPOSITIF MÉDICAL INVASIF

Publication

**EP 2445421 A1 20120502 (EN)**

Application

**EP 10838041 A 20100916**

Priority

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- US 63839309 A 20091215

Abstract (en)

[origin: US2011144491A1] A directable acoustic transducer assembly is presented for use in a medical insertion device (MID). In an embodiment, the assembly aims an acoustic signal in response to a sensed or detected force or load imposed on the MID. The directable acoustic transducer assembly includes a switch array and a plurality of directional acoustic transducer elements. The switch array responds to the force or load and activates the directional acoustic transducer elements closest to the source of the force or load. The switch array may include a plurality of switches, at least one of which responds to a force or load and may activate directional acoustic transducer elements having a target tissue in the field of view. The assembly includes embodiments that are responsive to various loads. A directable acoustic transducer assembly may be part of a diagnostic and/or therapeutic system, such as an RF ablation system.

IPC 8 full level

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